Table A.4.6. East Yard SWMU 36 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations greater than Delineation Criteria
S1423 1/9/03 Full RFI 2nd Iter. SWMU 36	32	8	Fill: 0-30.5 Silt: 30.5-31 Clay: 31-31.5 Sand: 31.5-32	0	P, U, F	S1423A4 (1.5-2)	V, S, M	Iron: 25000 mg/kg
					P, U, F	S1423D4 (7.5-8)	V, S, M	None
					P, S, F	S1423G3 (13-13.5)	V, S, M	None
S1422 1/13/03 Full RFI 2nd Iter. SWMU 36	36	9	Fill: 0-32 Silt: 32-32.5 Sand: 32.5-36	0	P, U, F	S1422A4 (1.5-2)	V, S, M	Iron: 29200 mg/kg
					P, U, F	S1422E2 (8.5-9)	V, S, M	Iron: 28800 mg/kg
					P, S, F	S1422G2 (12.5-13)	V, S, M	None
S1421 1/9/03 Full RFI 2nd Iter. SWMU 36	28	6.5	Fill: 0-27.5 (Petroleum sheen and odor at 6.5-9.5) Clay: 27.5-28	778 (9-9.5)	P, U, F	S1421A4 (1.5-2)	V, S, M	None
					P, S, F	S1421E3 (9-9.5)	V, S, M	None
					P, S, F	S1421L3 (23-23.5)	V, S, M	Iron: 28900 mg/kg
S0854 (MW150) 8/22/02 Full RFI SWMU 36	22	7.5	Fill: 0-6: Sand: 6-22	12 (1.5-2 and 4-4.5)	O, U, F	S0854A4 (1.5-2)	V, S, M	Benzo(a)anthracene: 3.8 mg/kg **Benzo(a)pyrene: 2.5 mg/kg** Benzo(b)fluoranthene: 3.7 mg/kg Benzo(k)fluoranthene: 1.3J mg/kg Indeno(1,2,3-cd)pyrene: 1.1J Arsenic: 26.7 mg/kg Iron: 38200 mg/kg Lead: 425 mg/kg
					O, U, F	S0854C2 (4.5-5)	V, S, M; SPLP metals, Phys. Char.	Iron: 33100 mg/kg
					O, S, F	S0854E1 (8-8.5)	V, S, M	Iron: 34800 mg/kg
					Water	MW150 10/15/02	V, S, M, water quality	None

Table A.4.6. East Yard SWMU 36 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations greater than Delineation Criteria
HP0015 2/20/96 1st Groundwater SWMU 36	8	7	Fill : 0-8:	0	Water	HP0015A	V, S, M	Arsenic: 81.8 ug/l Antimony: 19.6 ug/l Barium: 5140 ug/l Beryllium: 41.2 ug/l Chromium: 581 ug/l Lead: 222 ug/l Nickel: 372 ug/l
HP0016 2/20/96 1st Groundwater SWMU 36	8	7	Fill : 0-8:	0	Water	HP0016A	V, S, M	Arsenic: 475 ug/l Antimony: 135 ug/l Barium: 23200 ug/l Beryllium: 191 ug/l Cadmium: 100 ug/l Chromium: 2980 ug/l Lead: 995 ug/l
SB17 8/16/91 D. Raviv	14	6.94			Water	SB17 1/6/03	V, S, M, water quality	None
SB13A 11/5/81 Woodward Clyde	61	3 8.8	Sand: 0-18 Clay: 18-30 Sand: 30-59 Sedimentary/diabase rock chips: 59-61		None?			
SB13B 11/6/81 Woodward Clyde	18	6.3	Sand: 0-18 (some oil staining at 5-7)		None?			

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP -- Synthetic Precipitation Leaching Procedure; -Phys. Char. -- physical characteristics.